

**22U624**

(Pages: 2)

Name : .....

Reg. No : .....

**SIXTH SEMESTER B.Sc. DEGREE EXAMINATION, APRIL 2025**

(CBCSS-UG)

(Regular/Supplementary/Improvement)

**CC19U GEO6 B19 - ECONOMIC GEOLOGY**

(Geology - Core Course)

(2019 Admission onwards)

Time: 2.5 Hours

Maximum: 80 Marks

Credit: 4

**Part A (Short answer questions)**

Answer *all* questions. Each question carries 2 marks.

1. Tenor.
2. Metallogenic epochs in India.
3. Physical and Chemical Control of Ore localization.
4. Orthotectic process.
5. Formation of Soapstone.
6. Silicification.
7. Pitches and flats.
8. Humic acid.
9. Greensands.
10. Indian occurrences of Iron.
11. Indian occurrences of Nickel.
12. Kerala graphite deposits.
13. Ceramic minerals.
14. Boghead coal.
15. Mendeleef's carbide theory of hydrocarbon origin.

**(Ceiling: 25 Marks)**

**Part B (Paragraph questions)**

Answer *all* questions. Each question carries 5 marks.

16. Geologic Thermometers.
17. Lindgrens classification and its limitations.

18. Sublimate Deposits.
19. How do the contact metasomatism differ from contact metamorphism?
20. Alluvial placer deposits.
21. Occurrence and distribution of Chromium in India.
22. Physical properties of coal.
23. Oil traps.

**(Ceiling: 35 Marks)**

**Part C (Essay questions)**

Answer any *two* questions. Each question carries 10 marks.

24. Write an essay on historical development of economic geology.
25. Write an essay on Metamorphic mineral deposits? Add short note on formation of Asbestos.
26. Write an essay on the oxidation and supergene sulphide enrichment.
27. Write an essay on Non metals deposits of India.

**(2 × 10 = 20 Marks)**

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